

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator Williams Production Company					Lease or Unit Name Rosa Unit				
Test Type X Initial Annual Special			Test Date 10/6/2006		Well Number #159B (API # 30-039-29574)				
Completion Date 9/17/2006		Total Depth 6097'		Plug Back TD 6066'		Elevation 6324'		Unit Sec Twp Rng I 19 31N 5W	
Casing Size 4-1/2"		Weight 10.5#		Set At 6098'		Perforations: 5158' - 5584'		County Rio Arriba	
Tubing Size 2-3/8"		Weight 4.7#		Set At 5985'		Perforations: 5626' - 5966'		Pool Blanco MV	
Type Well - Single-Bradenhead-GG or GO Multiple					Packer Set At		Formation MV		
Producing Thru Tubing		Reservoir Temp. oF		Mean Annual Temp. oF		Barometer Pressure - Pa		Connection	
L	H	Gq 0.6	%CO2	%N2	%H2S	Prover 3/4"	Meter Run	Taps	

FLOW DATA					TUBING DATA		CASING DATA		
NO	Prover Line Size	X Orifice Size	Pressure p.s.i.q	Temperature oF	Pressure p.s.i.q	Temperature oF	Pressure p.s.i.q	Temperature oF	Duration of Flow
SI		2" X 3/4"			467		1094		0
1					359	63	943		0.5 hr
2					322	65	874		1.0 hr
3					303	65	829		1.5 hrs
4					291	66	802		2.0 hrs
5					267	66	755		3.0 hrs

RATE OF FLOW CALCULATION										
NO	Coefficient (24 Hours)				hwPm	Pressure Pm	Flow Temp. Factor Fl	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	9.604					279	0.9943	1.29	1.03	3540
2										
3										
4										

NO	Pr	Temp. oR	Tr	Z	Gas Liquid Hydrocarbon Ration	Mcf/bbl.
1					A.P.I Gravity of Liquid Hydrocarbons _____	Deq.
2					Specific Gravity Separator _____	XXXXXXX
3					Specific Gravity Flowing Fluid xxxxxxxxxx	
4					Critical Pressure _____ p.s.i.a.	_____ p.s.i.a.
5					Critical Temperature _____ R	_____ R

Pc	1106	Pc2	1223236	
NO	Pt1	Pw	Pw2	Pc2-Pw2
1		767	588289	634947
2				
3				
4				

Absolute Open Flow 5789		Mcf/d @ 15.025	Angle of Slope _____	Slope, n 0.75
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Remarks:			
Approved By Commission:	Conducted By: Terry Gomez	Calculated By: Tracy Ross	Checked By:

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